

# **Immature Honey Bee Worker *in vitro* Rearing Workshop**

**July 12-14, 2015**

Thank you for participating in the immature honey bee worker *in vitro* rearing workshop. The workshop is being hosted by **Jamie Ellis and the University of Florida** and meals are being generously sponsored by the **CLA Pollinator Research Task Force**.

## **Important contacts for the workshop:**

### **Brandi Simmons**

Workshop and transportation coordinator

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### **Dan Schmehl**

Workshop Agenda, Instructor

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## **Workshop Objectives**

- 1) Understand the immature bee rearing assay protocol by incorporating UF methodology improvements
- 2) Observe a successful laboratory set-up
- 3) Design the upcoming *in vitro* immature honey bee ring-test

## **Workshop Agenda**

### Sunday, July 12<sup>th</sup>

18:30 Meet in hotel lobby for transportation to dinner (transport to/from dinner provided)

19:00 Group dinner at “Dragonfly”

### Monday, July 13<sup>th</sup>

7:30 Pickup at hotel

7:45 -8:15 Breakfast, coffee (on-site)

8:15 -8:30 Welcome and overview of workshop objectives (Jamie Ellis and Dan Schmehl)

8:30 -10:30 Discussion on critical steps in immature bee *in vitro* rearing assays (Dan Schmehl)

10:30 -10:45 Break

1045 -12:00 Guided tour of the UF immature bee *in vitro* rearing assay set-up (Dan Schmehl, Ashley Mortensen)

12:00 -13:00 Lunch (on site)

13:00 -15:00 Identify correct larval and pupal developmental stages and practice methodology (Ashley Mortensen)

15:00 – 15:30 Break

15:30 – 17:30 Ring-test planning- discussion and limitations (Dan Schmehl)

17:30 Transportation back to hotel

18:30 Meet in hotel lobby for transportation to dinner (transportation provided)

19:00 Group dinner at “Leonardos 706”

### Tuesday, July 14<sup>th</sup>

7:30 Pickup at hotel

7:45 - 8:15 Breakfast, coffee

8:15 - 8:30     Transportation to UF Apiary

8:30 - 10:00    Tour of UF Apiary, queen cage and egg laying demonstration (Jamie Ellis, Ashley Mortensen)

10:00 - 10:30   Break, transportation to UF laboratory

10:30- 12:00   Additional method hands-on training and discussion (Dan Schmehl, Ashley Mortensen)

12:00            Transportation to hotel or airport (GNV) as needed